

ABSTRACT

(1) A particulate material removing filter for an exhaust gas from a diesel engine, which has a laminate manufactured by laminating metal lath plates having an oxidation catalyst layer containing a noble metal for oxidizing NO in an exhaust gas into NO₂, in such a manner that drawing directions in the preparation of respective said metal lath plates are alternately different by 90 degrees; (2) a method for treating an exhaust gas which comprises allowing a gas to be treated to flow into the above filter parallel with the metal lath plane of the laminate or in the direction intercepting to the metal lath plane of the laminate, to thereby clarify the exhaust gas from a diesel engine; and (3) an apparatus for treating an exhaust gas which has the above filter disposed at an outlet for an exhaust gas from an diesel engine. The filter is novel, can be manufactured with non-expensive materials, is less susceptible to clogging or closure by ash components, and does not require a special means such as reverse washing or the heating and burning of soot.